SIEMENS

Data sheet 3RV6021-4BA15



Circuit breaker 20 A A-release 14...20 A, N-release 260 A, for motor protection, class 10, screw connection, standard switching capacity, w. transverse AUX. switch 1 NO + 1 NC

product brand name	SIRIUS
product designation	Circuit breaker
design of the product	for motor protection
product type designation	3RV6
General technical data	
size of the circuit-breaker	S0
power loss [W] total typical	8 W
power loss [W] for rated value of the current at AC in hot operating state per pole	3.5 W
type of calculation of power loss current-dependent	quadratic
insulation voltage with degree of pollution 3 at AC rated value	690 V
surge voltage resistance rated value	6 kV
shock resistance according to IEC 60068-2-27	25 g / 11 ms
Substance Prohibitance (day/month/year)	05/01/2012
Net Weight	377 g
Ambient conditions	
installation altitude at height above sea level maximum	2 000 m
ambient temperature	
● during operation	-20 ... +60 °C
● during transport	-50 ... +80 °C
relative humidity during operation	10 ... 95 %
Main circuit	
number of poles for main current circuit	3
adjustable current response value current of the current-dependent overload release	13 ... 20 A
operating voltage	
● rated value	690 V
● at AC-3 rated value maximum	690 V
operating frequency rated value	50 ... 60 Hz
operational current rated value	20 A
operational current at AC-3 at 400 V rated value	20 A
operating frequency at AC-3 maximum	15 1/h
Auxiliary circuit	
design of the auxiliary switch	transverse
Protective and monitoring functions	
trip class	CLASS 10
design of the overload release	thermal
maximum short-circuit current breaking capacity (Icu) at AC at 400 V rated value	55 kA
operating short-circuit current breaking capacity (Ics) at AC at	25 kA

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400 V rated value	
response value current of instantaneous short-circuit trip unit	260 A
Short-circuit protection	
product function short circuit protection	Yes
design of the short-circuit trip	magnetic
Installation/ mounting/ dimensions	
mounting position	any
fastening method	screw and snap-on mounting onto 35 mm DIN rail according to DIN EN 60715
height	97 mm
width	45 mm
depth	97 mm
required spacing for grounded parts	
● forwards	0 mm
● backwards	0 mm
● upwards	50 mm
● at the side	30 mm
● downwards	50 mm
Connections/ Terminals	
type of electrical connection	
● for main current circuit	screw-type terminals
● for auxiliary and control circuit	screw-type terminals
arrangement of electrical connectors for main current circuit	Top and bottom
type of connectable conductor cross-sections for main contacts	
● solid or stranded	2x (1 ... 2.5 mm²), 2x (2.5 ... 10 mm²)
● finely stranded with core end processing	2x (1 ... 2.5 mm²), 2x (2.5 ... 6 mm²), 1x 10 mm²
type of connectable conductor cross-sections	
● for auxiliary contacts	
— solid or stranded	2x (0.5 ... 1.5 mm²), 2x (0.75 ... 2.5 mm²)
— finely stranded with core end processing	2x (0.5 ... 1.5 mm²), 2x (0.75 ... 2.5 mm²)
● for AWG cables for auxiliary contacts	2x (20 ... 16), 2x (18 ... 14)
tightening torque	
● for main contacts with screw-type terminals	2 ... 2.5 N·m
● for auxiliary contacts with screw-type terminals	0.8 ... 1.2 N·m
Electrical Safety	
protection class IP on the front according to IEC 60529	IP20
touch protection on the front according to IEC 60529	finger-safe, for vertical contact from the front

Approvals Certificates

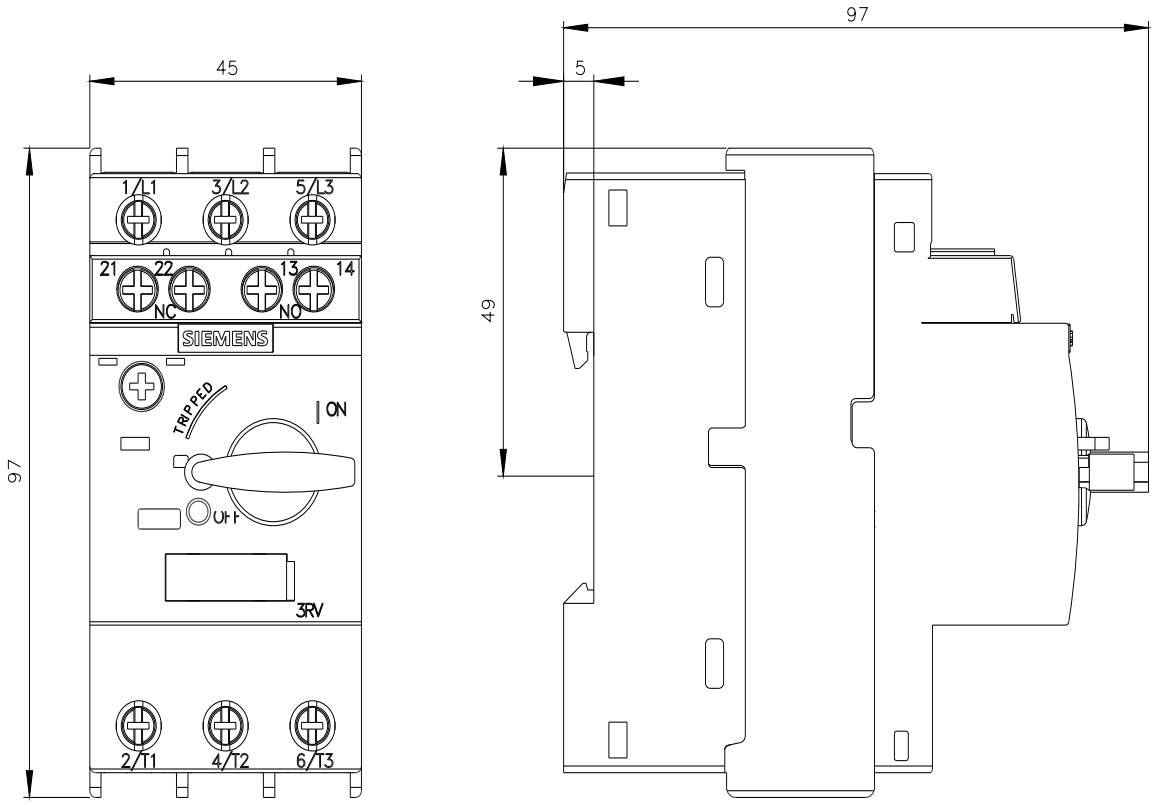
General Product Approval					Test Certificates
CCC	Confirmation	UL	EAC	CE EG-Konf.	Type Test Certificates/Test Report

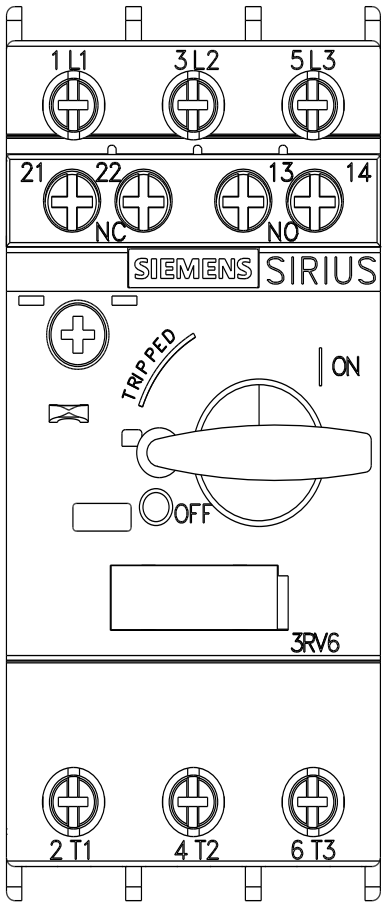
Maritime application		other			Environment
Lloyd's Register LRS	CCS (China Classification Society)	Miscellaneous	Confirmation	产品合格 QC PASS	Environmental Confirmations

Further information

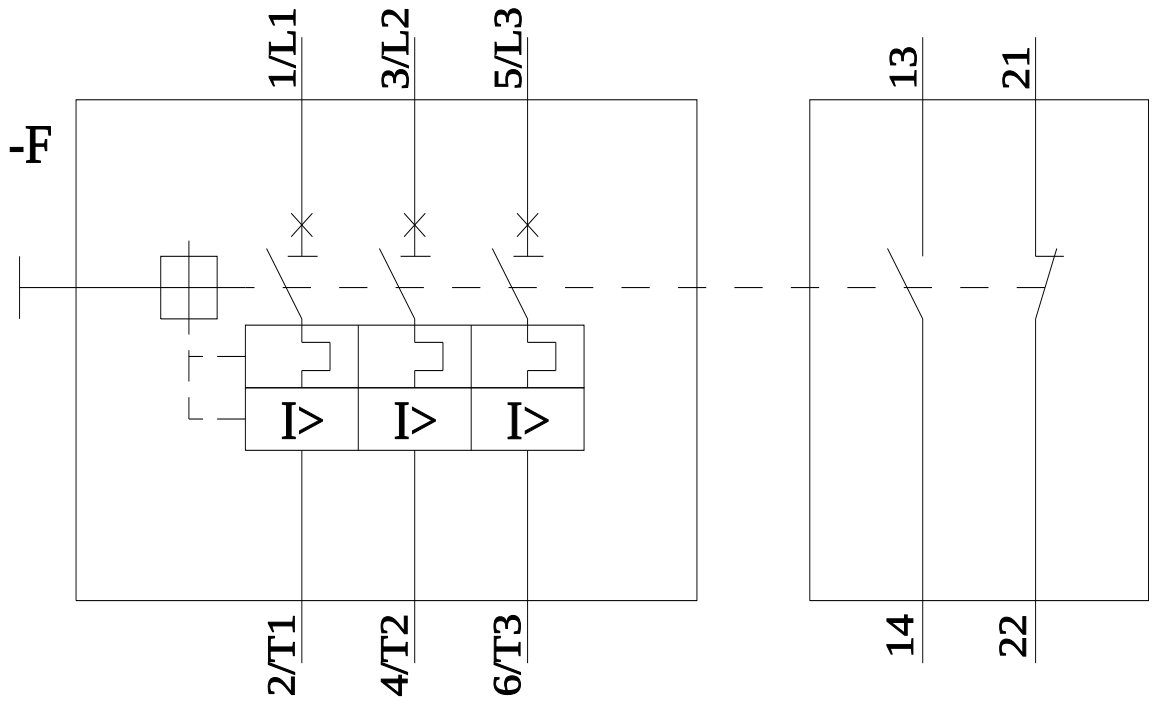
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